

$$0.0007129 = \underline{7.129} E-4$$

$$172840000 = \underline{1.7284} E8$$

$$6.473E9 = \underline{6473000000}$$

$$4.998 \times 10^{-6} = \underline{0.000004998}$$

$$1471 \text{ kg} = \underline{1471000} \text{ g}$$

$$27365 \text{ ms} = \underline{0.27365} \text{ hs}$$

$$997 \text{ dL} = \underline{997000} \text{ cL}$$

$$735.48 \text{ ds} = \underline{7.3548} \text{ das}$$

Analyzing a Study:

4. a) Independent Variable:

ultraviolet radiation

(not the covers)

Qualitative (in this case)

Dependent variable:

Tadpoles

Quantitative → # of tadpoles

b) No, we reject the hypothesis. The amount of tadpoles that remained alive is the same between groups.

c) Control: Group 1  
(covered with glass)

Experimental: Group 2  
(covered with plastic)

d. The difference is the amount of ultraviolet radiation. This is achieved by using glass or plastic covers.

Potential for Errors:

- Type of jar/container
- The amount of food
- Comparison of glass/plastic to ozone/no ozone
- Taking lid off to feed
- Initial tadpole health
- Age of tadpoles
- Type of tadpole